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**U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT**

EPA Region 5 Records Ctr.



306679

I. HEADINGS

DATE: September 5, 2000

SUBJECT: Jefferson Processing Site (Mingo Junction, Jefferson County, Ohio)

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POLREP #3

II. BACKGROUND

Site ID No: B5C2

CERCLIS No: OHSFN0508038

Response Authority: CERCLA

Demobilization Date: TBD

Delivery Order No: 0042

NPL Status: Non-NPL

Start Date: August 1, 2000

Completion Date: TBD

III. SITE DESCRIPTION

A. Incident Category

CERCLA Removal at an inactive facility

B. Site Description

1. Site location and background

See POLREP #1.

2. Description of threat

See POLREP #1.

C. Preliminary Assessment/Site Inspection Results

See POLREP #1.

IV. RESPONSE INFORMATION

A. Situation and Actions Taken

1. Current situation

A total of 18 transformers have been accessed, labeled, inventoried, and sampled. A total of approximately 33,000 gallons of non-hazardous (i.e., <50 ppm PCBs) and hazardous (i.e., >50 ppm PCBs) oils from these transformers have been drained and transported off site for treatment and/or disposal. All vaults containing transformers have been resecured to prevent access by trespassers. A total of 159 capacitors have been inventoried and overpacked into salvage drums and are presently awaiting transportation and disposal (T & D). U.S. EPA, START, and Emergency and Rapid Response Services (ERRS) personnel demobilized from the Site after C.O.B. on August 30, 2000. Remobilization for Phase II of the planned removal actions is scheduled to occur on September 18, 2000, following the selection of subcontractors for the removal and off-site disposal of all transformer carcasses.

2. Removal activities to date

On Friday, August 25, 2000, ERRS personnel reopened the doors to the transformer vaults in Buildings J1 and J2. Additionally, ERRS personnel prepared the valves/fittings of the 18 transformers for T & D activities which were scheduled to begin on 8/26/00. START reviewed transformer specification information and disposal analytical results for the transformer oil samples.

On Saturday, August 26, 2000, the ERRS T & D subcontractor, Safety-Kleen, drained and transported a total of 27,478 kilograms (kg; approximately 8,060 gallons) of "low-level" (i.e., 50 to 500 ppm PCBs) PCB-contaminated transformer oil off site for treatment and/or disposal. Additionally, a total of 19,342 kg (approximately 3,365 gallons) of "high-level" (i.e., >500 ppm PCBs) PCB transformer oil were transported off site by a Safety-Kleen subcontractor for treatment and/or disposal. Oils from 11 transformers were removed from Buildings J1 and J2 and the Pumphouse on this date.

On Monday, August 28, 2000, ERRS personnel graded the access road to the electrical substation. Safety-Kleen drained and transported a total of 38,700 kg (approximately 11,530 gallons) of "low-level" PCB-contaminated transformer oil off site for treatment and/or disposal. Oils from two of the Substation transformers were removed from the Site on this date. START collected grab soil, sediment, and stream water samples at five locations along McIntyre and Cross Creeks. The samples are to be analyzed by two laboratories for TCLP metals, TAL metals, and PCBs.

On Tuesday, August 29, 2000, ERRS personnel resecured the doors to the transformer vaults in

Buildings J1 and J2. Additionally, ERRS personnel accessed the on-site wastewater treatment plant and laboratory. Various small containers, which may contain hazardous substances, were collected by ERRS personnel from the on-site laboratory. ERRS personnel assembled and categorized the various drums, cylinders, and small containers, found in buildings on site, and staged them on poly sheets in Building J1. START collected 8-point composite samples from the soils located under two transformers (SS-J and SS-K) at the Substation. Additionally, START collected 5-point composite samples of materials from three stockpile locations around Buildings J1 and J2. The samples are to be analyzed by two laboratories for TCLP metals, TAL metals, and PCBs.

On Wednesday, August 30, 2000, ERRS personnel completed resecuring all of the doors to the transformer vaults. A Safety-Kleen subcontractor drained and transported a total of 31,643 kg (approximately 9,633 gallons) of "non-hazardous" (i.e., <50 ppm PCBs) transformer oil off site for treatment and/or disposal. Oils from one of the Substation transformers and four of the transformers in Buildings J1 and J2 were removed from the Site on this date. The ERRS chemist inventoried all of the containers, staged in Building J1, in preparation for hazard categorization and compatible waste bulking. A total of 33 drums of various sizes (which may contain hazardous substances), five gas cylinders (oxygen/acetylene), 60 five-gallon fiber drums containing carbon and graphite, and several bags of lime were found in Buildings J1 and J2 and the wastewater treatment plant. ERRS personnel secured all of the buildings on site, and after C.O.B. all personnel demobilized from the Site. Twenty-four-hour security is to be maintained during the shutdown period.

B. Planned Removal Actions

Phase I: Removal and off-site disposal of all capacitors and miscellaneous containers of hazardous materials.

Phase II: Dismantling, removal, and off-site disposal of all transformer carcasses.

C. Next Steps

- Remobilization of all personnel on September 18, 2000, to begin Phase II of the planned removal actions following the selection of subcontractors for the removal and off-site disposal of all transformer carcasses.
- Removal and off-site disposal of all transformers, capacitors, and miscellaneous containers.

D. Key Issues

- 24-hour on-site security during the shutdown period.

V. ESTIMATED COSTS (AS OF C.O.B. ON 8/29/00)

EPA Costs	\$15,413.84
ERRS Costs	\$134,330.45
<u>START Costs</u>	<u>\$20,754.58</u>
TOTAL COSTS TO DATE	\$170,498.87
 Project Ceiling	 \$350,000.00

Project Funds Remaining (percentage)

51.29%

VI. DISPOSITION OF WASTES

<u>Dates Removed</u>	<u>Waste Category</u>	<u>Approximate Volume (gallons)</u>
8/26/00	"High-level" (>500 ppm) PCB oils	3,365
8/26 and 8/28/00	"Low-level" (50 to 500 ppm) PCB oils	19,590
8/30/00	Non-hazardous (<50 ppm PCBs) oils	9,633